

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently Amended) A data translation system comprising:
an interface component that receives requests for data from a user; and
a translation component that retrieves data in accordance with the requests and returns the data to the user in a specified language, the translation component comprising an inference component that, upon retrieval, translates result data into one or more languages, the inference component including a context analyzer component to provide a linguistically accurate translation that conforms to the proper punctuation, syntax and semantics of the specified language.
2. (Previously Presented) The system of claim 1, the interface component comprising a language identification component that determines the specified language of a user.
3. (Previously Presented) The system of claim 1, the interface component comprises a conversion component that receives data requests in a plurality of different formats and converts the requests into executable queries on data.
4. (Previously Presented) The system of claim 3, the request is a structured query in the user's preferred language.
5. (Previously Presented) The system of claim 3, the request is a natural language request.
6. (Previously Presented) The system of claim 1, the translation component comprises:
one or more translation tables; and
a mapping component that maps retrieved data to its corresponding translation in a translation table.

7. (Previously Presented) The system of claim 6, the translation tables are set up by a database administrator.
8. (Cancelled)
9. (Previously Presented) The system of claim 1, the inference component including a dictionary component to facilitate data translations.
10. (Previously Presented) The system of claim 1, the context analyzer receives metadata associated with result data.
11. (Currently Amended) A database translation system comprising:
 - an interface component to receive queries;
 - a translation component that retrieves analytical data from a database in accordance with a query and translates, upon retrieval, the resulting data into one or more user languages, the translation component comprising an inference component that dynamically translates result data into one or more languages, the inference component including a context analyzer component to provide a linguistically accurate translation that conforms to the proper punctuation, syntax, and semantics of the user language.
12. (Previously Presented) The system of claim 11, the queries are specified in a different language than a base language associated with the database.
13. (Previously Presented) The system of claim 11, the queries are specified in natural language.
14. (Previously Presented) The system of claim 11, the database is a multidimensional database.
15. (Previously Presented) The system of claim 11, the translation component comprises a mapping component that maps resulting metadata and data to translations a translation table.

16. (Previously Presented) The system of claim 15, the translation table being set up and managed by a database administrator.
17. (Previously Presented) The system of claim 11, the translation component comprises an inference component, which includes a dictionary component to dynamically generate data translations.
18. (Previously Presented) The system of claim 11, further comprising a sort component that receives collation information from a user a sorts resulting data in accordance with the collation information.
19. (Previously Presented) The system of claim 18, the collation information includes the language to be used for sorting.
20. (Currently Amended) An online analytical processing (OLAP) system comprising:
 - an interface component to receive queries;
 - a translation component that retrieves data and metadata from a multidimensional database in accordance with a query and, upon retrieval, translates resulting data and metadata from a system base language into one or more user languages by utilizing an inference component that translates result data, upon retrieval, into one or more languages, the inference component including a context analyzer component to provide a linguistically accurate translation that conforms to the proper punctuation, syntax, and semantics of the user language.
21. (Previously Presented) The system of claim 20, the translation component maps resulting data and metadata to a translation table to produce translated data and metadata.

22. (Currently Amended) A method of querying a database comprising:
receiving a language selection;
receiving a query;
retrieving data from a database in accordance with the query;
dynamically translating the data, upon retrieval, into the selected language; and
utilizing context information to provide a linguistically accurate translation that conforms
to the proper punctuation, syntax, and semantics of the selected language.
23. (Previously Presented) The method of claim 22, a user selects a language by entering a query in a particular language, the selected language being the particular language used to enter the query.
24. (Previously Presented) The method of claim 22, translating the received data comprises retrieving data from a translation table.
25. (Previously Presented) The method of claim 22, the data is translated dynamically utilizing a dictionary.
26. (Previously Presented) The method of claim 22, the query is a natural language query.
27. (Previously Presented) The method of claim 22, the database is a multidimensional database.
28. (Previously Presented) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 22.

29. (Currently Amended) A method of translating database data comprising:
receiving a language selection;
receiving a query in a first format;
converting the query to a second format;
executing the query on a database;
translating received result data, upon retrieval of the result data, to the selected language;
and
utilizing context information to provide a linguistically accurate translation that conforms
to the proper punctuation, syntax, and semantics of the selected language.
30. (Previously Presented) The method of claim 29, the first query format is in a first language and the second query format is in a second language.
31. (Previously Presented) The method of claim 30, the first query format is a natural language query.
32. (Previously Presented) The method of claim 29, translating the result data comprises mapping data and meta-data to a translation table associated with the selected language.
33. (Previously Presented) The method of claim 29, further comprising sorting the translated data based on collation properties specified by a user.
34. (Previously Presented) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 29.

35. (Currently Amended) A method of interaction with a database comprising:
selecting a first language;
entering a query on a database with data stored in a second language;
receiving result data translated, upon retrieval, from the second language into the first
language; and
utilizing context information to provide a linguistically accurate translation that conforms
to the proper punctuation, syntax, and semantics of the selected language.
36. (Previously Presented) The method of claim 35, the database is a multidimensional
database.
37. (Previously Presented) A computer readable medium having stored thereon computer
executable instructions for carrying out the method of claim 35.
38. (Currently Amended) A method of interacting with a database comprising:
specifying a command in a first language;
receiving the command and translating the command into a second language;
performing an operation on a database in accordance with the command; and
utilizing context information to facilitate translations in at least one of the performance of
the operation on the database or translation of a queried result, upon retrieval, to provide a
linguistically accurate translation that conforms to the proper punctuation, syntax, and semantics
of the first language.
39. (Previously Presented) The method of claim 38, the command is to store data in the
database.
40. (Previously Presented) The method of claim 38, translating the command into a second
language includes translating a natural language command into a structured command in the base
language of the system.

41. (Previously Presented) A computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 38.